

INVERTER SQUARE WAVE

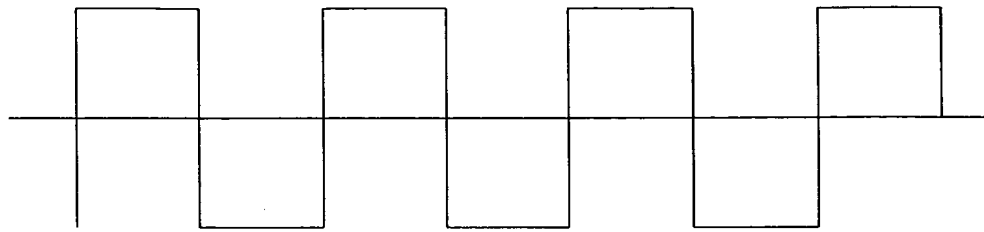


FIG. 6A

CYCLE WIDTH CONTROL OF POWER

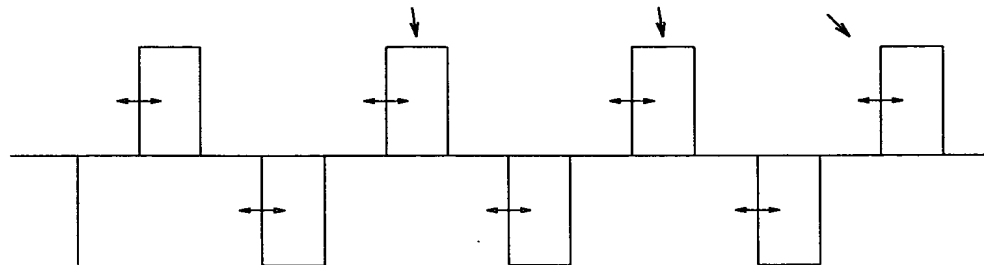


FIG. 6B

SHAFT SENSOR  
SIGNALS

a  
b  
c  
d  
e  
f  
g  
h

MULTI  
PLEX  
GATE

63

TO PHASE a  
DRIVER

SHAFT SENSOR  
SIGNALS

a  
b  
c  
d  
e  
f  
g  
h

MULTI  
PLEX  
GATE

63

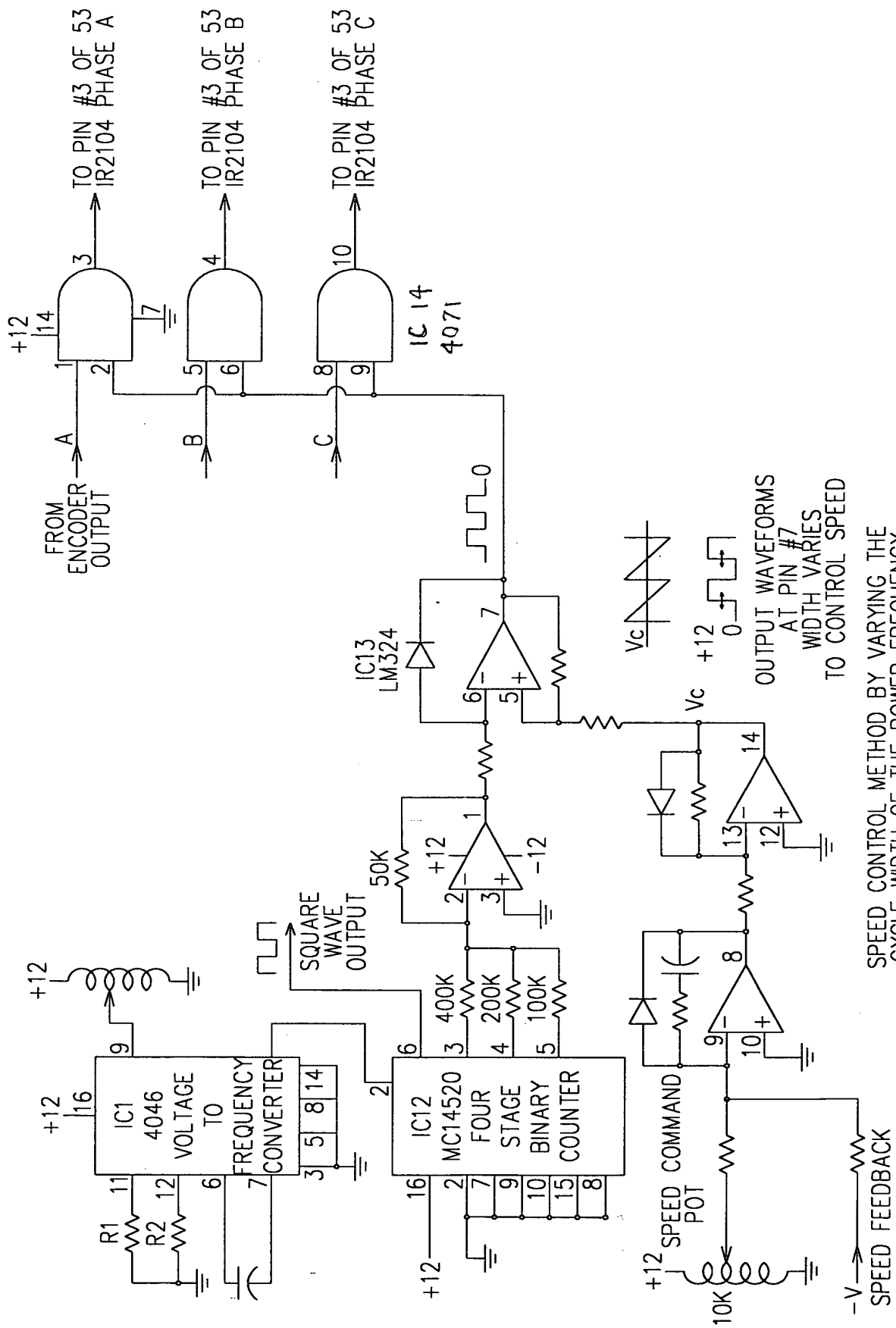
TO PHASE b  
DRIVER

SELECT  
SIGNAL

SELECT  
SIGNAL

AND SO ON FOR  
ALL EIGHT PHASES

FIG. 9



SPEED CONTROL METHOD BY VARYING THE  
CYCLE WIDTH OF THE POWER FREQUENCY

FIG. 7

SAWTOOTH WAVEFORM AT PIN#1 IC13

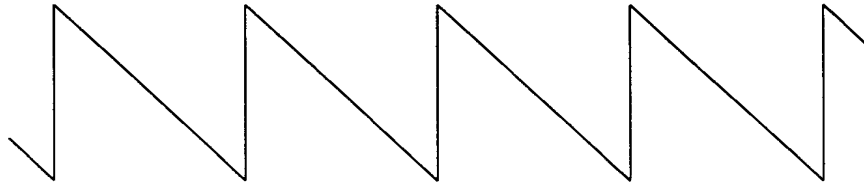


FIG. 8A

SQUARE WAVE OUTPUT PIN#6 IC12

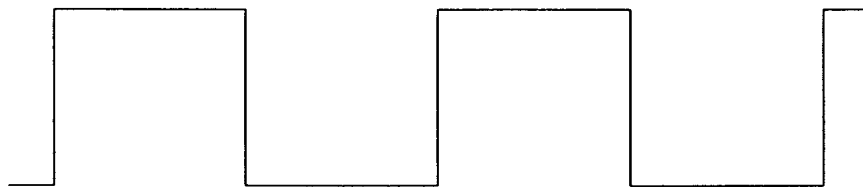
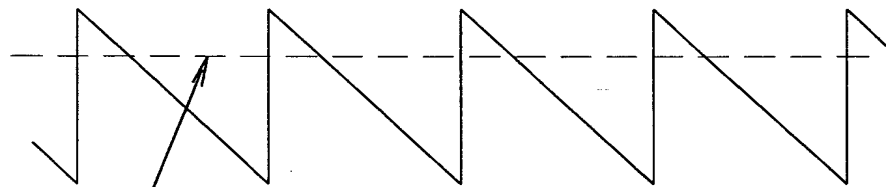
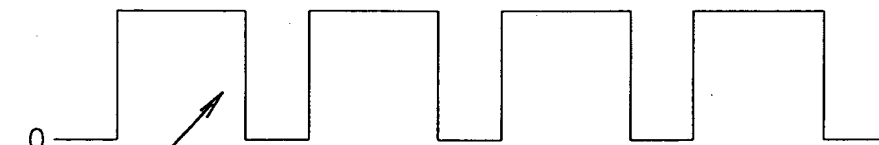


FIG. 8B



SPEED ERROR  
SIGNAL LEVEL

FIG. 8C



0 —  
OUTPUT AT  
PIN#7 IC13

FIG. 8D

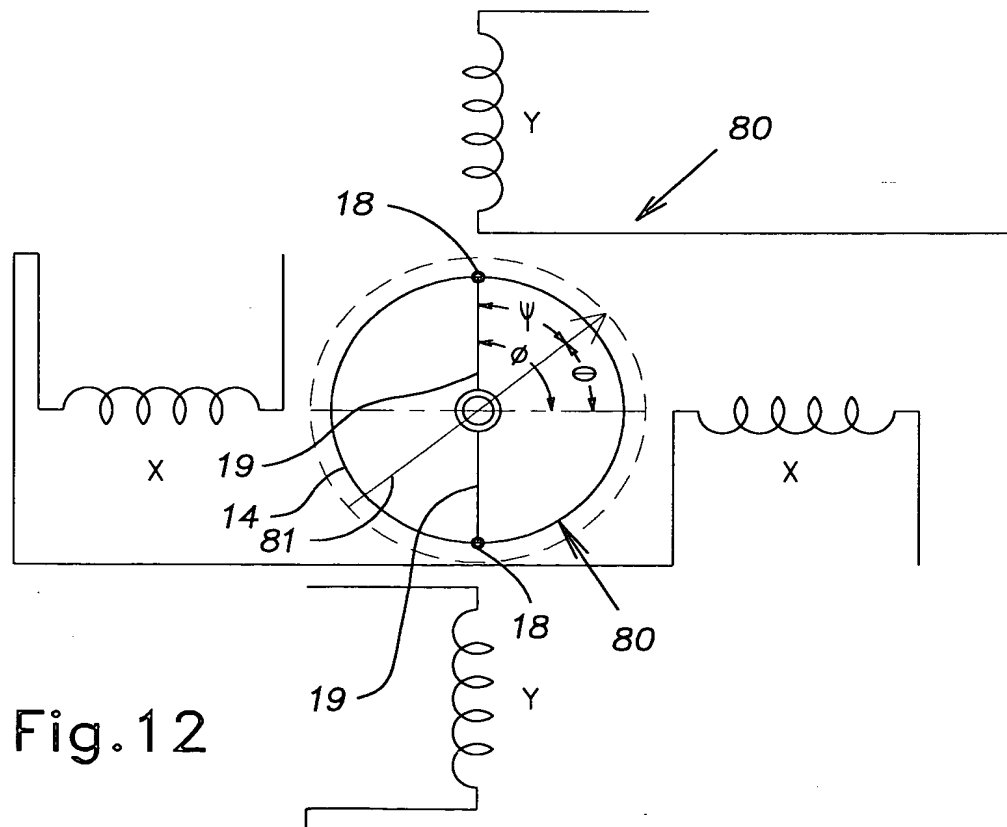
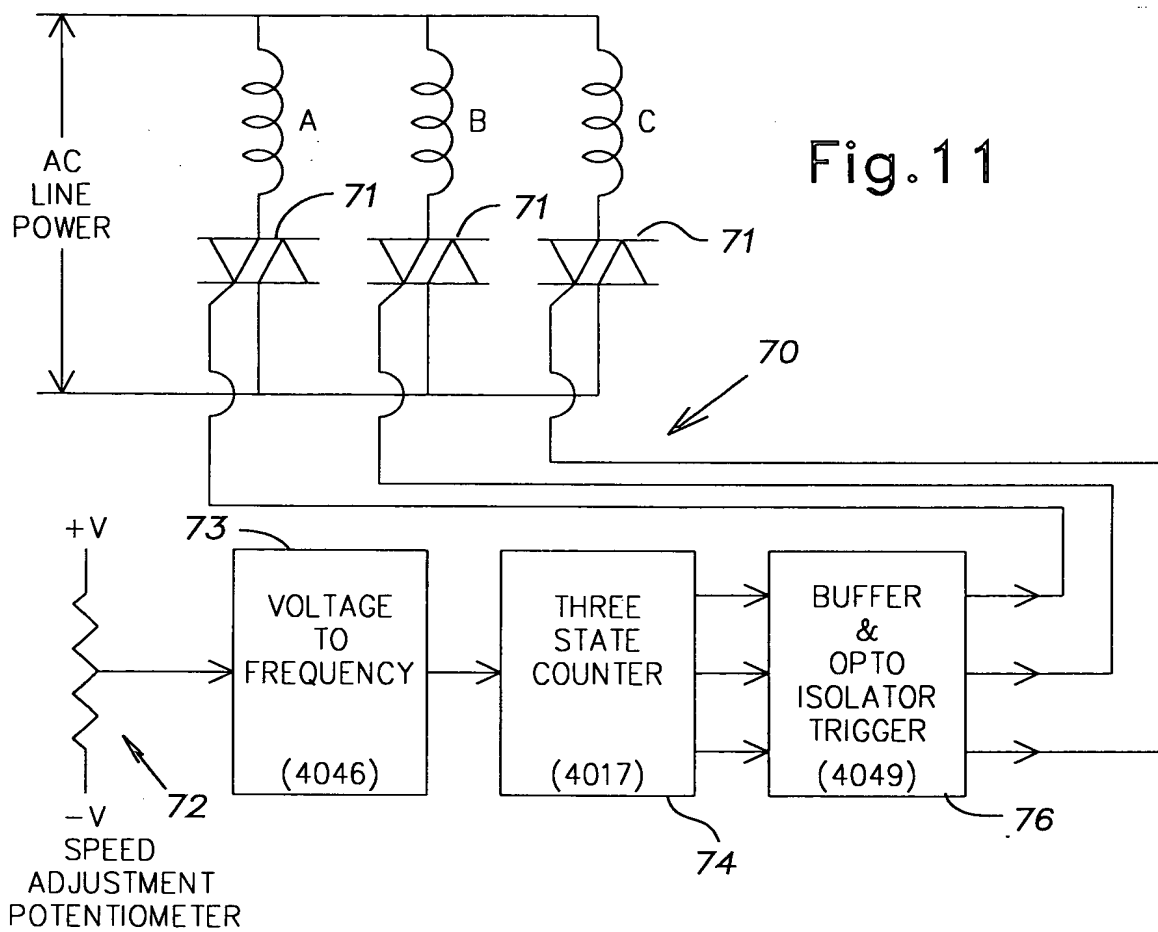


Fig. 13

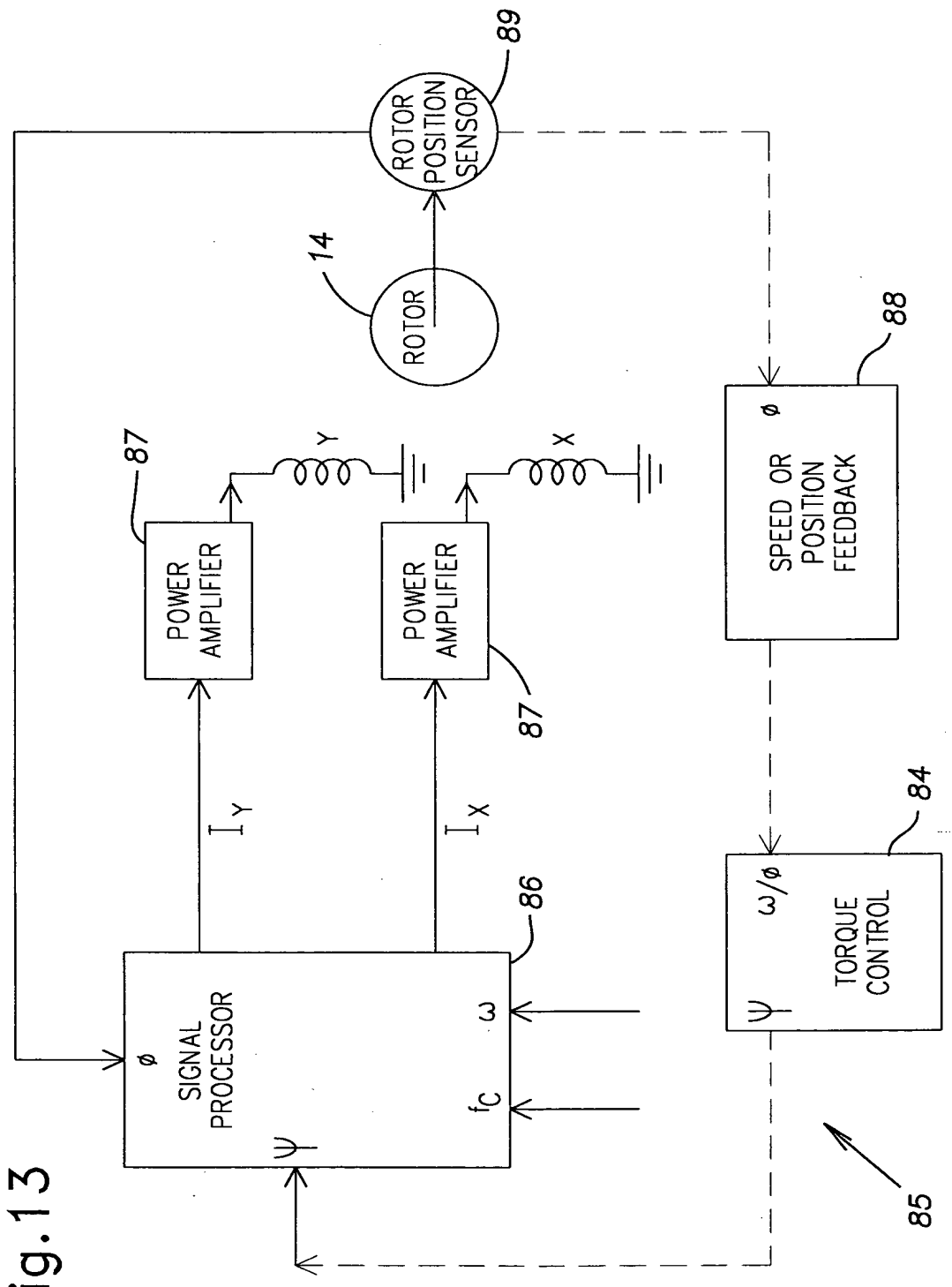




FIG. 14

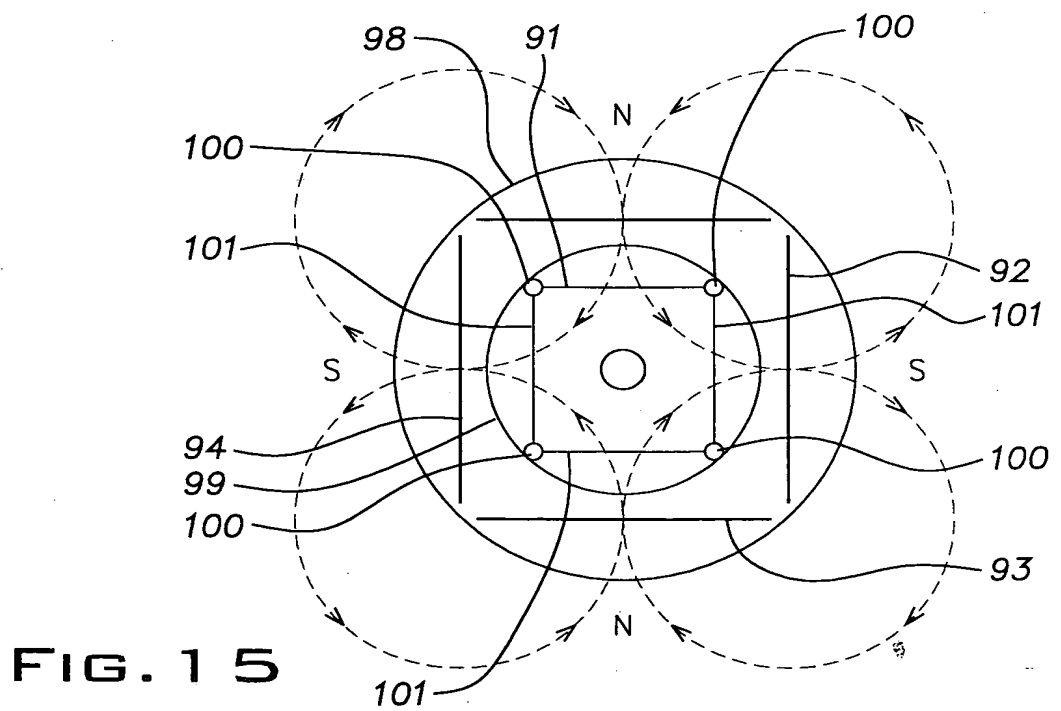
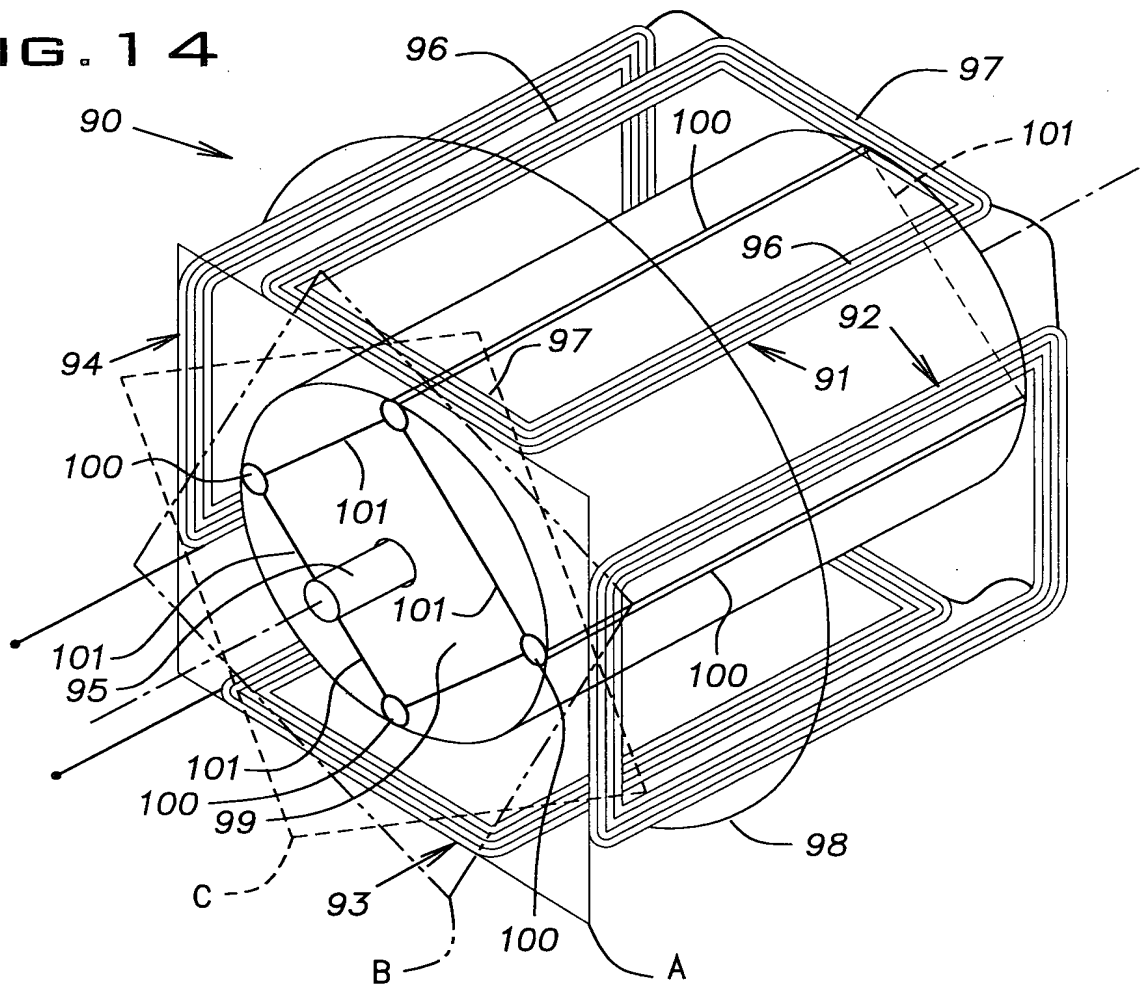


FIG. 15

FIG. 16

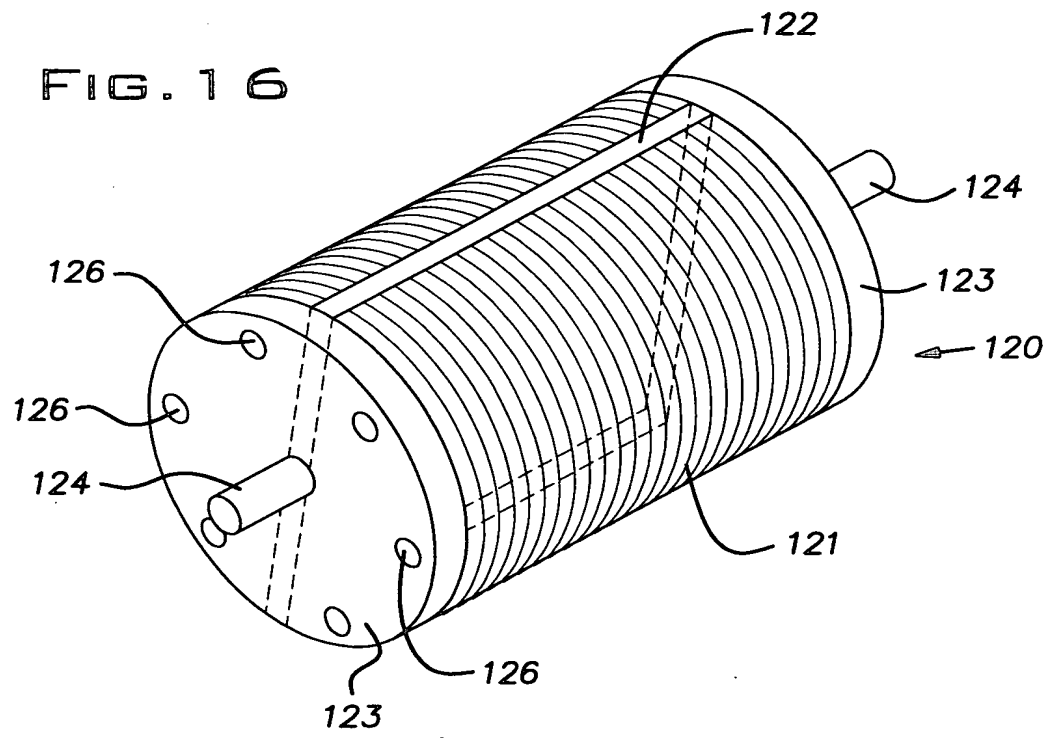


FIG. 17

